

REMARKS

Claims 4 and 6 remains in the application and have been amended hereby with claim 5 having been cancelled, without prejudice or disclaimer.

Reconsideration is respectfully requested of the rejection of claims 4-6 under 35 U.S.C. 103, as being unpatentable over Friel et al.

As previously explained, this invention is intended to provide an accurate indication of the actual remaining capacity of a battery. Typically the battery voltage is measured to determine the remaining capacity value, which is then stored in the memory. At some later time, the actual battery voltage is again measured and is used to determine a new remaining capacity volume. The value stored in the memory is read out and compared with the current remaining capacity value and if the new remaining capacity volume is less than the value read out from the memory the memory data is updated by writing over the stored remaining capacity value with the new remaining capacity volume.

Claims 4 and 6 have been amended hereby to emphasis the above-noted features of the present invention.

Friel also relates to battery a system in which an intelligent rechargeable battery is provided that measures various parameters and adjusts the charging of the battery accordingly. Nevertheless, it is respectfully submitted that Friel et al, does not disclose the feature of the present invention relating to updating on a periodic basis the value being stored representing the remaining capacity that is available, as taught by the present invention and as recited in the amended claims.

Accordingly, as respectfully submitted that Friel does not render obvious the present invention as now recited:

Accordingly, by reason of the amendments made to the claims hereby, as well as the above remarks, it is respectfully submitted that a battery charging/discharging apparatus, as taught by the present invention and as recited in the amended claims, is neither shown nor suggested in the cited references.


The reference cited as of interest has been reviewed and is not seen to show or suggest that the present invention, as recited in the amended claims.

Entry of this amendment is earnestly solicited, and it is respectfully submitted that this amendment raises no new issues requiring further consideration and/or search, since the operation of the present invention has just been defined in clearer terms.

Favorable reconsideration is earnestly solicited.

Respectfully submitted,

COOPER & DUNHAM LLP

A handwritten signature in black ink, appearing to read "Jay H. Maioli", is written over the printed name.

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JHM:cr